

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"6338765".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:21
S2	2	"20020124402"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:26
S3	2	"20020014100"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:27
S4	2	"20060137777"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:29
S5	64	Ishikawa, Tadashi.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:32
S6	72	Ishikawa, Tadashi.in. OR Nakashima, Kiyotaka.in. OR Nose, Tetsuro.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/29 15:34
S7	2143	Nippon steel corporation.as.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:43
S8	90	Nippon steel corporation.as. and ultraso\$8	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:43
S9	0	Nippon steel corporation.as. and ultraso\$8 and 148/558.col\$	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:46
S10	610	Nippon steel corporation.as. and "148".clas.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:46
S11	200	Nippon steel corporation.as. and "148".clas. and weld\$8	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:46
S12	11	Nippon steel corporation.as. and "148".clas. and weld\$8 and ultraso\$8	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 07:46
S13	1	"20060137777"	DERWENT	ADJ	ON	2007/10/30 07:47
S14	1	"20060130942"	DERWENT	ADJ	ON	2007/10/30 07:49
S15	1	"6171415".pn.	DERWENT	ADJ	ON	2007/10/30 08:06
S16	1	"6171415".pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:14
S17	0	09-234585	DERWENT	ADJ	ON	2007/10/30 08:21

S18	0	JP09234585	DERWENT	ADJ	ON	2007/10/30 08:21
S19	334	148/525,558.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:33
S20	53	148/525,558.cds. and ultraso\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:33
S21	41	ultraso\$8 near weld\$5 and "148".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:51
S22	75	statnikov.in. or prokopenko.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:53
S23	51595	UIT	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:59
S24	11	UiT.as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:59
S25	25	ultrasonic impact treatment	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 08:59
S26	34239	ultraso\$8 near20 weld\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:52
S27	5269	ultraso\$8 near20 weld\$5 and crystal\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:53
S28	140	ultraso\$8 near20 weld\$5 near20 crystal\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:53
S29	376	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure) near10 size	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:55
S30	607	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure or grain) near10 size	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:55
S31	69	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure or grain) near10 size and ("148", clas. or "428".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:56
S32	2	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure or grain) near10 size and ("148", clas. or "428".clas.) and steel balls	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:57
S33	1312	ultraso\$8 near20 weld\$5 and undercut	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 10:59
S34	15	(ultraso\$8 near20 weld\$5) NEAR30 undercut	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:00
S35	15	(ultraso\$8 near30 weld\$5) NEAR30 undercut	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:00
S36	799	(weld\$5) NEAR30 undercut	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:01
S37	1	"6289705".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:04
S38	11	berthelet.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:05

S39	28	duquenne.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:09
S40	899	statnikov.in. or prokopenko.in.	DERWENT	ADJ	ON	2007/10/30 11:11
S41	63	statnikov.in. or prokopenko.in. and ultraso\$8	DERWENT	ADJ	ON	2007/10/30 11:11
S42	1	"6467321".pn.	DERWENT	ADJ	ON	2007/10/30 11:16
S43	1	"6926780".pn.	DERWENT	ADJ	ON	2007/10/30 11:17
S44	1	"5654992".pn.	DERWENT	ADJ	ON	2007/10/30 11:19
S45	2	"3961739".pn.	DERWENT	ADJ	ON	2007/10/30 11:20
S46	5183	m23-J or m24-D06	DERWENT	ADJ	ON	2007/10/30 11:24
S47	77	(m23-J or m24-D01b) and ultraso\$8	DERWENT	ADJ	ON	2007/10/30 11:26
S48	0	B21J00/00.ipc. and ultraso\$8	DERWENT	ADJ	ON	2007/10/30 11:37
S49	1140	(B23K020/10.ipc. or b21j000/00.ipc. or C21D010/00. ipc.) and ultraso\$8	DERWENT	ADJ	ON	2007/10/30 11:38
S50	1140	(B23K020/10.ipc. or b21j000/00.ipc. or C21D010/00. ipc.) and ultraso\$8	DERWENT	ADJ	ON	2007/10/30 11:38
S51	740	(B23K020/10.ipc. or b21j000/00.ipc. or C21D010/00. ipc.) and ultraso\$8 and weld\$6	DERWENT	ADJ	ON	2007/10/30 11:38
S52	38	(B23K020/10.ipc. or b21j000/00.ipc. or C21D010/00. ipc.) and ultraso\$8 and weld\$6 and (stress\$5 or grain or microstructure or crystal)	DERWENT	ADJ	ON	2007/10/30 11:39
S53	608	"75".clas. and ultraso\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:50
S54	4969	"29".clas. and ultraso\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:50
S55	1652	"29".clas. and ultraso\$8 near30 weld\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:50
S56	46	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure or grain) near10 size and ("29". clas. or "72".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:51
S57	0	ultraso\$8 near20 peening and (crystal\$8 or microstructure or grain) near10 size and ("29". clas. or "72".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:52
S58	43	ultraso\$8 near5 peen\$4 and ("29".clas. or "72".clas. or "148".clas. or "428".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:53

S59	3	(ultraso\$ near5 peen\$4) near30 (crystal\$8 or microstructure or grain)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 11:55
S60	2	11/342,846	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 14:29
S61	2	"3210843".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 15:49
S62	1	"4126031".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 15:49
S63	27	ultraso\$ near10 peen\$5 and grain	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 15:50
S64	108	ultraso\$ near10 tough\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 16:04
S65	1103	ultraso\$ near20 (peen\$5 or vibrat\$5) and tough\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 16:05
S66	8	(ultraso\$ near20 (peen\$5 or vibrat\$5)) near30 tough\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 16:05
S67	1	"20010025518"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 16:06
S68	17	Nippon steel corporation.as. and ultraso\$8 and tough\$5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:08
S69	25	Nippon steel corporation.as. and ishikawa.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:09
S70	1081	(Tadashi.in. OR Kiyotaka.in. OR Tetsuro.in.) and ultraso\$6	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:10
S71	198	(Tadashi.in. OR Kiyotaka.in. OR Tetsuro.in.) and ultraso\$6 and grain	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:10
S72	3	(Tadashi.in. OR Kiyotaka.in. OR Tetsuro.in.) and ultraso\$6 near20 peen\$5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:11
S73	23	(Tadashi.in. OR Kiyotaka.in. OR Tetsuro.in.) and peen\$5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:13
S74	6	trufyakov.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:48
S75	121	ultrasonic near30 grain size	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:55
S76	15	ultrasonic near30 grain size and toughness	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:55
S77	129	ultrasonic impact	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:55

S78	14	ultrasonic impact and tough\$6	US_PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/30 16:56
S79	2	"20050242066"	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:32
S80	5	"6223974"	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:53
S81	1528	ultrasonic near20 grain	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:01
S82	398	ultrasonic near20 (grain near5 size)	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:01
S83	63	ultrasonic near20 (grain near5 size) and weld\$6	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:02
S84	6	ultrasonic (vibration or impact or peen\$5) near20 (grain near5 size) and weld\$6	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:05
S85	0	JP 52-057044	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:09
S86	0	JP52057044	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:09
S87	2	"52057044"	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:09
S88	2	"6338765".pn.	US_PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/31 10:55
S89	4	Nippon steel corporation.as. and ultraso\$8 and nano\$12	US_PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/31 10:55

S90	77	(tominaga.in. or higo.in. or "takashimi.in") and ultraso\$6	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/31 10:56
S91	277	("148".clas. or "29".clas. or "72".clas.) and nanocrystalline	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 10:58
S92	38	("148".clas. or "29".clas. or "72".clas.) and (nanocrystalline or nano-crystalline) and ultraso\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 10:58
S94	29	nano\$1crystal\$6 near5 ultraso\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:06
S95	162	ultrasonic impact	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:08
S96	15	ultrasonic impact and nano\$12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:08
S97	24	nanocrystalline and peen\$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:09
S98	17	mechanical near5 alloying and peen\$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:38
S99	617	C21D001/04.ipc.	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:20
S100	5123	(C21D001/04.ipc. OR C21D007/00.ipc. OR C22C001/00.ipc. OR C22F001/00,02,06,18.ipc.)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:21
S101	3564	(C21D001/04.ipc. OR C21D007/00.ipc. OR C22C001/00.ipc. OR C22F001/00,02,06,18.ipc.)	DERWENT	ADJ	ON	2007/10/31 15:21
S102	153	(C21D001/04.ipc. OR C21D007/00.ipc. OR C22C001/00.ipc. OR C22F001/00,02,06,18.ipc.) and ultraso\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:21
S103	24	statnikov.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 15:52
S104	51	prokopenko.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 15:57

S105	5	prokopenko.in. and ultraso\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 15:57
S106	2	"20060130942"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/04/09 17:42
S107	342	148/525,558.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:55
S108	64	(Tadashi near2 Ishikawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:56
S109	3	(Kyotaka near2 Nakashima).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:57
S110	10	(Tetsuro near2 Nose).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:57
S111	5	(Tomonori near2 Tominaga).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:57
S112	6	(Yakichi near2 Higo).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:57
S113	2	(Kazuki near2 Takashima).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:57
S114	12	UIT.as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:58
S115	81	(m23-J or m24-D01b) and ultraso\$8	DERWENT	ADJ	ON	2008/04/10 11:58
S116	2160	Nippon steel corporation.as.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/04/10 11:58
S117	44	ultraso\$8 near weld\$5 and "148".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S118	81	statnikov.in. or prokopenko.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S119	645	ultraso\$8 near20 weld\$5 and (crystal\$8 or microstructure or grain) near10 size	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S120	1392	ultraso\$8 near20 weld\$5 and undercut	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S121	11	berthelet.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S122	28	duquenne.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59
S123	141	ultrasonic impact	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/04/10 11:59
S124	6	trufyakov.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/04/10 11:59
S125	296	("148".clas. or "29".clas. or "72".clas.) and nanocrystalline	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/10 11:59

S126	56	((C21D001/04.ipc. OR C21D007/00.ipc. OR C22C001/00.ipc. OR C22F001/00,02,06,18.ipc.) and ultraso\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/10 12:00
S127	5209	S107 or S108 or S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120 or S121 or S122 or S123 or S124 or S125 or S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/10 12:00
S128	497	S127 and (("2007" or "2008").pd. or ("2007" or "2008").py.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/10 12:01

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